

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 14240  
Application ID: 10063042  
Title of Invention: SEGMENTED SPINE  
First Named Inventor: Jason Lenz  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-03-14   
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: S63.2-10057  
Digital Certificate Holder: cn=Johnathan Grad, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US  
Certificate Message Digest: LaByCdYRdRI7jldvFSp0lg==  
Total Fees Authorized: \$906.0

Payment Category: DA – Deposit Account  
Deposit Account Number: 220350  
Deposit Account Name: Jonathan Grad

# TRANSMITTAL FORM

USPTO  
10/06/2002  
JC471 03/14/02

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

S63.2-  
10057

Submission Type: Utility Patent  
Filing

## SEGMENTED SPINE

First Named Inventor: Jason T. Lenz

**SUBMITTED BY**

Name:	Jonathan Grad
Registration Number:	41,795
Electronic Signature Mark: Jonathan Grad	Date Signed: 20020313

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

declaration	10057-dec1.tif
declaration	10057-dec2.tif
declaration	10057-dec3.tif
declaration	10057-pet.tif
declaration	10057-pow.tif

declaration	s63-limited.tif
bibd-transmittal	10057apds.xml
patent-assignments	10057asgn.xml
fee-transmittal	10057fee.xml
specification	10057-app5.xml

**Attached Image File(s):**

10057-dec1.tif

10057-dec2.tif

10057-dec3.tif

10057-pet.tif

10057-pow.tif

s63-limited.tif

**Comments:**

The following documents are included with this application 1) Constructive Petition for Extension of Time and Fee Authorization (1 page) 2) Power of Attorney (1 page) 3) a Limited Authorization (1 page) 4) Declaration (3 pages) 5) Assignment (1 page)

UTILITY/DESIGN PATENT  
Docket No. S632-10057

## DECLARATION

As a below-named inventor, I/we hereby declare that:

## TYPE OF DECLARATION

The declaration is of the following type:

original  
 design  
 supplemental  
 national stage of PCT  
 divisional  
 continuation  
 continuation-in-part (CIP)

## INVENTORSHIP DECLARATION

My residence, post office address, and citizenship are as stated below next to my name:

I verify believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## SEGMENTED SPINE

the specification of which:

a)  is being filed concurrently herewith  
 b)  was filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_  
 c)  was filed as PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and amended under PCT Article 19 on \_\_\_\_\_

## ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56.  
 In compliance with this duty there is attached an Information Disclosure Statement.  
 37 CFR 1.97.

## PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d), of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me having the same subject matter having a filing date before that of the application on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35 United States Code, §119(e) of any United States provisional application identified below.

U.S. APPLICATIONS	
APPLICATION NUMBER	U.S. FILING DATE
1.	
2.	

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. §120**

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international applications(s) designating the United States of America that are listed below.

U.S. APPLICATIONS	
APPLICATION NUMBER	U.S. FILING DATE
1.	
2.	
PCT APPLICATIONS DESIGNATING THE U.S.	
PCT APPLICATION NO.	PCT FILING DATE

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Telephone calls and correspondence should be directed to: Jonathan Grad, et al.  
Customer No. 490, Telephone: (952) 563-3000, Facsimile: (952) 563-3001.

## First Inventor

Name: Jason T. Lenz  
Inventor's signature: Jason Lenz  
Date: 3/6/02  
State, U.S.C.: U.S.  
Post. Office Address: 444 Eldridge Avenue East  
Maplewood, MN 55117  
Residence: (If d. from this above)

## Second Inventor

Name: \_\_\_\_\_  
Inventor's signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Post office Address: \_\_\_\_\_  
Residence: (If d. from this above)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Jason T. Lenz
Title:	SEGMENTED SPINE
Filed:	<input checked="" type="checkbox"/> concurrently herewith <input type="checkbox"/> on _____ and assigned Serial No. _____

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

Docket No.: S63.2-10057

CONSTRUCTIVE PETITION FOR EXTENSION OF TIME AND FEE  
AUTHORIZATION PURSUANT TO 37 C.F.R. §1.136(a)(3)

Applicant hereby requests that the United States Patent and Trademark Office treat any concurrent or future reply requiring a petition for an extension of time pursuant to §1.136 for its timely submission as incorporating therein a petition for an extension of time for the appropriate length of time.

Applicant authorizes the Commissioner of Patents and Trademarks to charge all required extension of time fees that have not otherwise been paid to Deposit Account No. 22-0350.

Respectfully submitted,  
VIDAS, ARRETT & STEINKRAUS

Date: March 13, 2002

By:



Jonathan Grad  
Registration No. 41,795

6109 Blue Circle Drive, Suite 2000  
Minnetonka, MN 55343-9185  
Telephone: (952) 563-3000  
Facsimile: (952) 563-3001

## UTILITY/DESIGN PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventory No.:	Jason T. Lenz
Title:	SEGMENTED SPINE
Filed:	<input checked="" type="checkbox"/> concurrently herewith <input type="checkbox"/> on _____ and assigned Serial No. _____

Commissioner for Patents  
Washington, DC 20231

Docket No: S63.2-10057

## POWER OF ATTORNEY FROM ASSIGNEE

As assignee of record of the entire interest of the above identified patent application, SCIMED LIFE SYSTEMS, INC. hereby appoint all practitioners of **Customer No. 490** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I hereby authorize them to act and rely on instructions from, and to communicate directly with, the firm or person which set this case to Vidas, Arnett & Steinbrenner, P.A., unless or until I instruct Vidas, Arnett & Steinbrenner P.A., in writing to the contrary.

Address all correspondence to Jonathan Grad at Customer Number 490.

Dated this 6th day of March, 2002.

(Company Name) SCIMED LIFE SYSTEMS, INC.  
 (Signature) Joe Dohmen  
 (Title) Chief Patent Counsel Cardiology

LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE  
REGARDING CERTAIN PATENT MATTERS  
EFFECTIVE THROUGH: December 31, 2002

I, Paul W. Sandman, as Senior Vice President, Secretary, and General Counsel of Boston Scientific Corporation, the controlling corporation of:

AMS Medinvent S.A.; Boston Scientific BV; Boston Scientific Corporation Northwest Technology Center, Inc.; Boston Scientific Ireland Limited; Boston Scientific Japan KK; Boston Scientific Limited; Boston Scientific Scimed, Inc. (formerly known as Schneider (USA), Inc.); Cardiovascular Innovations Canada, Inc.; Corvita Canada, Inc.; Corvita Corporation; Corvita Europe S.A.; EP Technologies, Inc.; Laboratoires Corvita S.A.R.L.; Meadow Medicals, Inc.; NAMIC Eireann Limited; NAMIC International, Inc.; Nilo Holding, S.A.; Schneider (Europe) GmbH; Schneider Belgium NV; Schneider Holland BV; Schneider Ireland BV; Schneider Puerto Rico (formerly known as NAMIC Caribe, Inc.); Schneider/NAMIC; Scimed Life Systems, Inc.; Symbiosis Corporation; Target Therapeutics, Inc.; Cardiac Pathways Corporation; Interventional Technologies, Inc.; Embolic Protection, Inc.; Quanum Corporation; Smart Therapeutics, Inc.; Radio Therapeutics Corporation; and Catheter Innovations Corp.;

hereby authorize the following registered patent attorneys/agents (1) to act on behalf of any of the corporations identified above, including Boston Scientific Corporation, with regard to any matters before the United States Patent and Trademark Office, any foreign patent offices, and any international patent entities, (2) to execute power of attorney documents on behalf of any of the corporations identified above, including Boston Scientific Corporation, to appoint and/or establish any attorneys, agents, and/or law firms to act on behalf of any of the corporations identified above, including Boston Scientific Corporation, in any foreign or international patent applications filed with any foreign and/or international patent offices, and (3) to execute assignment and ownership documents on behalf of any of the corporations identified above, including Boston Scientific Corporation, with regard to any matters before the United States Patent and Trademark Office, any foreign patent offices, and any international patent offices:

Scott T. Bluni	.....	Reg. No. 40,916
Mark J. Casey	.....	Reg. No. 37,796
James R. Chiapetta	.....	Reg. No. 39,634
Luke R. Dohmen	.....	Reg. No. 36,783
Peter J. Gafner	.....	Reg. No. 36,517
Albert K. Kau	.....	Reg. No. 40,672
Steven A. McAuley	.....	Reg. No. 46,084
Todd P. Messal	.....	Reg. No. 42,883
Robert M. Rauker	.....	Reg. No. 40,782
William J. Shaw	.....	Reg. No. 43,111

*Paul W. Sandman*

*1/4/2002*

Paul W. Sandman  
Senior Vice President, Secretary, and General Counsel

Date

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX ) ss.  
 )

On this 4th day of January 2002 before me personally appeared Paul W. Sandman to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes set forth herein.

*Nona E. Hurd*  
Nona E. Hurd  
NOTARY PUBLIC  
My Commission Expires Oct. 4, 2002

[Notary Seal Placeholder]

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 906**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 22-0350



Deposit Account Name: Vidas, Arrett & Steinkraus

SUBMITTED BY

Authorized Name: Jonathan Grad

Electronic Signature Mark: Jonathan Grad

Date Signed: 20010313

**BASIC FILING FEE**

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

**EXTRA CLAIM FEES**

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 27	103	\$ 18	7	\$ 126
Independent Claims: 2	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 126

**ADDITIONAL FEES**

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40